


FORM PTO-1449	Atty. Docket No.: C382.12-0180	Serial No.: 10/804,402
 <p>LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT</p>	Applicant:	
	Clark E. Smith et al.	
	Filing Date	Group Art:
	March 18, 2004	

U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
YF AA	2,514,745	7/11/50	Dalzell	171	95	
YF AB	3,593,099	7/13/71	Scholl	320	13	
YF AC	3,607,673	9/21/71	Seyl	204	1	
YF AD	3,676,770	7/11/72	Sharaf et al.	324	29.5	
YF AE	3,729,989	5/1/73	Little	73	133	
YF AF	3,753,094	8/14/73	Furuishi et al.	324	29.5	
YF AG	3,808,522	4/30/74	Sharaf	324	29.5	
YF AH	3,811,089	5/14/74	Strezelewicz	324	170	
YF AI	3,873,911	3/25/75	Champlin	324	29.5	
YF AJ	3,886,443	5/27/75	Miyakawa et al.	324	29.5	
YF AK	3,889,248	6/10/75	Ritter	340	249	
YF AL	3,906,329	9/16/75	Bader	320	44	

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Sub Class	Translation Yes No
YF	AM	59-17892	1/30/84	Japan			Abstract Only
YF	AN	59-17893	1/30/84	Japan			Abstract Only
YF	AO	59-17894	1/30/84	Japan			Abstract Only


OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

YF	AP	"Electrochemical Impedance Spectroscopy in Battery Development and Testing", <u>Batteries International</u> , April 1997, pgs. 59 and 62-63.					
YF	AQ	"Battery Impedance", by E. Willihnganz et al., <u>Electrical Engineering</u> , September 1959, pgs. 922-925.					
YF	AR	"Determining The End of Battery Life", by S. DeBardelaben, <u>IEEE</u> , 1986, pgs. 365-368.					
YF	AS	"A Look at the Impedance of a Cell", by S. Debardelaben, <u>IEEE</u> , 1988, pgs. 394-397.					

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YF AT	3,909,708	9/30/75	Champlin	324	29.5	
YF AU	3,936,744	2/3/76	Perlmutter	324	158	
YF AV	3,946,299	3/23/76	Christianson et al.	320	43	
YF AW	3,947,757	3/30/76	Grube et al.	324	28	
YF AX	3,969,667	7/13/76	McWilliams	324	29.5	
YF AY	3,979,664	9/7/76	Harris	324	17	
YF AZ	3,984,762	10/5/76	Dowgiallo, Jr.	324	29.5	
YF BA	3,984,768	10/5/76	Staples	324	62	
YF BB	4,008,619	2/22/77	Alcaide et al.	73	398	
YF BC	4,053,824	10/11/77	Dupuis et al.	324	29.5	
YF BD	4,070,624	1/24/78	Taylor	327	158	
YF BE	4,086,531	4/25/78	Bernier	324	158	

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Sub Class	Translation Yes No
YF	BF	60225078	11/9/85	Japan			Abstract Only
YF	BG	04372536	12/25/92	Japan			Abstract Only
YF	BH	04131779	5/6/92	Japan			Abstract Only

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

YF	BI	"The Impedance of Electrical Storage Cells", by N.A. Hampson et al., <u>Journal of Applied Electrochemistry</u> , 1980, pgs. 3-11.
YF	BJ	"A Package for Impedance/Admittance Data Analysis", by B. Boukamp, <u>Solid State Ionics</u> , 1986, pgs. 136-140.
YF	BK	"Precision of Impedance Spectroscopy Estimates of Bulk, Reaction Rate, and Diffusion Parameters", by J. Macdonald et al., <u>J. Electroanal. Chem.</u> , 1991, pgs. 1-11.

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Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
YF BL	4,112,351	9/5/78	Back et al.	324	16	
YF BM	4,114,083	9/12/78	Benham et al.	320	39	
YF BN	4,126,874	11/21/78	Suzuki et al.	354	60	
YF BO	4,178,546	12/11/79	Hulls et al.	324	158	
YF BP	4,193,025	3/11/80	Frailing et al.	324	427	
YF BQ	4,207,611	6/10/80	Gordon	364	580	
YF BR	4,315,204	2/9/82	Sievers et al.	322	28	
YF BS	4,316,185	2/16/82	Watrous et al.	340	636	
YF BT	4,322,685	3/30/82	Frailing et al.	324	429	
YF BU	4,363,407	12/14/82	Barkler et al.	209	3.3	
YF BV	4,369,407	1/18/83	Korbell	324	416	
YF BW	4,412,169	10/25/83	Dell'Orto	320	64	

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Sub Class	Translation Yes No
YF	BX	03282276	12/12/91	Japan			Abstract Only
YF	BY	03274479	12/5/91	Japan			Abstract Only
YF	BZ	5216550	8/27/93	Japan			Abstract Only
YF	CA	59017894	1/30/84	Japan			Abstract Only

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

YF	CB	"Internal Resistance: Harbinger of Capacity Loss in Starved Electrolyte Sealed Lead Acid Batteries, by Vaccaro, F.J. et al., <u>AT&T Bell Laboratories</u> , 1987 IEEE, Ch. 2477, pp. 128,131.
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Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
YF	CC	4,390,828	6/28/83	Converse et al.	320	32
YF	CD	4,392,101	7/5/83	Saar et al.	320	20
YF	CE	4,396,880	8/2/83	Windebank	320	21
YF	CF	4,408,157	10/4/83	Beaubien	324	62
YF	CG	4,423,378	12/27/83	Marino et al.	324	427
YF	CH	4,423,379	12/27/83	Jacobs et al.	324	429
YF	CI	4,424,491	1/3/84	Bobbett et al.	324	433
YF	CJ	4,459,548	7/10/84	Lentz et al.	324	158
YF	CK	4,514,694	4/30/85	Finger	324	429
YF	CL	4,520,353	5/28/85	McAuliffe	340	636
YF	CM	4,667,279	5/19/87	Maier	363	46
YF	CN	4,678,998	7/7/87	Muramatsu	324	427
YF	CO	4,679,000	7/7/87	Clark	324	428
YF	CP	4,697,134	9/29/87	Burkum et al.	320	48

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Sub Class	Translation Yes No
YF	CQ	EP 0 772 056 A1	5/7/97	EPO			X
YF	CR	EP 0 637 754 A1	2/8/95	EPO			X
YF	CS	2 088 159 A	6/3/82	Great Britain			X

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

YF	CT	IEEE Recommended Practice For Maintenance, Testings, and Replacement of Large Lead Storage Batteries for Generating Stations and Substations, The Institute of Electrical and Electronics Engineers, Inc., ANSI/IEEE Std. 450-1987, 3/9/1987, pp. 7-15.
YF	CU	"Field and Laboratory Studies to Assess the State of Health of Valve-Regulated Lead Acid Batteries: Part I Conductance/Capacity Correlation Studies", by D. Feder et al., IEEE, August 1992, pgs. 218-233.

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YF CV	4,707,795	11/17/87	Alber et al.	364	550	
YF CW	4,709,202	11/24/87	Koenck et al.	320	43	
YF CX	4,710,861	12/1/87	Kanner	363	46	
YF CY	4,719,428	1/12/88	Liebermann	324	436	
YF CZ	4,743,855	5/10/88	Randin et al.	324	430	
YF DA	4,816,768	3/28/89	Champlin	324	428	
YF DB	4,820,966	4/11/89	Fridman	320	32	
YF DC	4,825,170	4/25/89	Champlin	324	436	
YF DD	4,849,700	7/18/89	Morioka et al.	324	427	
YF DE	4,881,038	11/14/89	Champlin	324	426	
YF DF	4,912,416	3/27/90	Champlin	324	430	
YF DG	4,929,931	5/29/90	McCuen	340	636	
YF DH	4,931,738	6/5/90	MacIntyre et al.	324	435	
YF DI	4,947,124	8/7/90	Hauser	324	430	
YF DJ	4,956,597	9/11/90	Heavey et al.	320	14	
YF DK	4,968,941	11/6/90	Rogers	324	428	

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Sub Class	Translation Yes No
YF	DL	WO 93/22666	11/11/93	WIPO			X
YF	DM	WO 98/58270	12/23/98	WIPO			X

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

YF	DN	"Battery Impedance", by E. Willihnganz et al., <u>Electrical Engineering</u> , September 1959, pgs. 922-925.
YF	DO	"JIS Japanese Industrial Standard-Lead Acid Batteries for Automobiles", <u>Japanese Standards Association UDC</u> , 621.355.2:629.113.006, Nov. 1995.

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Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
YF DP	5,004,979	4/2/91	Marino et al.	324	160	
YF DQ	5,032,825	7/16/91	Xuznicki	340	636	
YF DR	5,047,722	9/10/91	Wurst et al.	324	430	
YF DS	5,087,881	2/11/92	Peacock	324	378	
YF DT	5,126,675	6/30/92	Yang	324	435	
YF DU	5,140,269	8/18/92	Champlin	324	433	
YF DV	5,144,248	9/1/92	Alexandres et al.	324	428	
YF DW	5,170,124	12/8/92	Blair et al.	324	434	
YF DX	5,204,611	4/20/93	Nor et al.	320	21	
YF DY	5,214,370	5/25/93	Harm et al.	320	35	
YF DZ	5,214,385	5/25/93	Gabriel et al.	324	434	
YF EA	5,241,275	8/31/93	Fang	324	430	
YF EB	5,254,952	10/19/93	Salley et al.	324	429	
YF EC	5,281,919	1/25/94	Palanisamy	324	427	
YF ED	5,281,920	1/25/94	Wurst	324	430	
YF EE	5,295,078	3/15/94	Stich et al.	364	483	
YF EF	5,298,797	3/29/94	Redl	307	246	
YF EG	5,300,874	4/5/94	Shimamoto et al.	320	15	
YF EH	5,302,902	4/12/94	Groehl	324	434	

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YF EI						

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YF EJ	
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Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
YF EK	5,331,268	7/19/94	Patino et al.	320	20	
YF EL	5,336,993	8/9/94	Thomas et al.	324	158.1	
YF EM	5,352,968	10/4/94	Reni et al.	320	35	
YF EN	5,343,380	8/30/94	Champlin	363	46	
YF EO	5,365,160	11/15/94	Leppo et al.	320	22	
YF EP	5,365,453	11/15/94	Startup et al.	364	481	
YF EQ	5,381,096	1/10/95	Hirzel	324	427	
YF ER	5,426,371	6/20/95	Salley et al.	324	429	
YF ES	5,432,426	7/11/95	Yoshida	320	20	
YF ET	5,434,495	7/18/95	Toko	320	44	
YF EU	5,442,274	8/15/95	Tamai	320	23	
YF EV	5,457,377	10/10/95	Jonsson	320	5	
YF EW	5,449,996	9/12/95	Matsumoto et al.	320	20	
YF EX	5,449,997	9/12/95	Gilmore et al.	320	39	
YF EY	5,485,090	1/16/96	Stephens	324	433	
YF EZ	5,519,383	5/21/96	De La Rosa	340	636	
YF FA	5,528,148	6/18/96	Rogers	324	426	
YF FB	5,550,485	8/27/96	Falk	324	772	
YF FC	5,561,380	10/1/96	Sway-Tin et al.	324	509	

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Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
YF	FF	5,562,501	10/8/96	Kinoshita et al.	439	852
YF	FG	5,572,136	11/5/96	Champlin	324	426
YF	FH	5,574,355	11/12/96	McShane et al.	320	39
YF	FI	5,585,728	12/17/96	Champlin	324	427
YF	FJ	5,592,093	1/7/97	Klingbiel	324	426
YF	FK	5,596,260	1/21/97	Moravec et al.	320	30
YF	FL	5,598,098	1/28/97	Champlin	324	430
YF	FM	5,602,462	2/11/97	Stich et al.	323	258
YF	FN	5,606,242	2/25/97	Hull et al.	320	48
YF	FO	5,621,298	4/15/97	Harvey	320	5
YF	FP	5,642,031	6/24/97	Brotto	320	21
YF	FQ	5,650,937	7/22/97	Bounaga	364	483
YF	FR	5,652,501	7/29/97	McClure et al.	320	17
YF	FS	5,675,234	10/7/97	Greene	320	15
YF	FT	5,677,077	10/14/97	Faulk	429	90
YF	FU	5,699,050	12/16/97	Kanazawa	340	636
YF	FV	5,701,089	12/23/97	Perkins	327	772
YF	FW	5,717,336	2/10/98	Basell et al.	324	430
YF	FX	5,757,192	5/26/98	McShane et al.	324	427

FOREIGN PATENT DOCUMENTS

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YF GA	5,773,978	6/30/98	Becker	324	430	
YF GB	5,789,899	8/4/98	van Phuoc et al.	320	30	
YF GC	5,793,359	8/11/98	Ushikubo	345	169	
YF GD	5,821,756	10/13/98	McShane et al.	324	430	
YF GE	5,831,435	11/3/98	Troy	324	426	
YF GF	5,872,443	2/16/99	Williamson	320	21	
YF GG	5,914,605	6/22/99	Bertness	324	430	
YF GH	5,945,829	8/31/99	Bertness	324	430	
YF GI	3,356,936	12/5/67	Smith	324	29.5	
YF GJ	5,488,300	1/30/96	Jamieson	324	432	
YF GK	6,002,238	12/14/99	Champlin	320	134	
YF GL	6,037,777	3/14/00	Champlin	324	430	
YF GM	6,051,976	4/18/00	Bertness	324	426	
YF GN	6,081,098	6/27/00	Bertness et al.	320	134	
YF GO	6,091,245	7/18/00	Bertness	324	426	
YF GP	6,104,167	8/15/00	Bertness et al.	320	132	
YF GQ	6,137,269	10/24/00	Champlin	320	150	

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Sub Class	Translation Yes No
YF	GR	DE 29 26 716 B1	1/15/81	Germany			X
YF	GS	0 022 450 A1	1/21/81	EPO			X

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

YF	GT	"Performance of Dry Cells", by C. Hambuechen, Preprint of Am. Electrochem. Soc., April 18-20, 1912, paper No. 19, pgs. 1-5.
YF	GU	"A Bridge for Measuring Storage Battery Resistance", by E. Willihncauz, The Electrochemical Society, preprint 79-20, April 1941, pgs. 253-258.

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YF	GV	3,562,634	2/9/71	Latner	31	04
YF	GW	4,379,990	4/12/83	Sievers et al.	322	99
YF	GX	5,144,218	9/1/92	Bosscha	320	44
YF	GY	5,315,287	5/24/94	Sol	340	455
YF	GZ	5,469,043	11/21/95	Cherng et al.	320	31
YF	HA	5,546,317	8/13/96	Andrieu	364	481
YF	HB	5,583,416	12/10/96	Klang	320	22
YF	HC	5,589,757	12/31/96	Klang	320	22
YF	HD	5,656,920	8/12/97	Cherng et al.	320	31
YF	HE	5,710,503	1/20/98	Sideris et al.	320	6
YF	HF	5,760,587	6/2/98	Harvey	324	434
YF	HG	5,808,469	9/15/98	Kopera	324	43.4
YF	HH	6,008,652	12/28/99	Theofanopoulos et al.	324	434
YF	HI	6,009,369	12/28/99	Boisvert et al.	701	99
YF	HJ	6,031,354	2/29/00	Wiley et al.	320	116
YF	HK	6,037,751	3/14/00	Klang	320	160
YF	HL	6,072,299	6/6/00	Kurie et al.	320	112
YF	HM	6,094,033	7/25/00	Ding et al.	320	132
YF	HN	6,163,156	12/19/00	Bertness	324	426
YF	HO	6,172,483	1/9/01	Champlin	320	134
YF	HP	6,172,505	1/9/01	Bertness	324	430

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		Document No.	Date	Country	Class	Sub Class	Translation Yes No
YF	HQ	2 749 397	12/5/97	France			X
YF	HR	59215674	12/5/84	Japan			Abstract Only

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FORM PTO-1449	Atty. Docket No.: C382.12-0180	Serial No.: 10/804,402
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	Applicant:	
	Clark E. Smith et al.	
	Filing Date	Group Art:
	March 18, 2004	

U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
YF HT	3,989,544	11/2/76	Santo	429	65	
YF HU	4,745,349	5/17/88	Palanisamy et al.	320	22	
YF HV	4,876,495	10/24/89	Palanisamy et al.	320	18	
YF HW	4,937,528	6/26/90	Palanisamy	324	430	
YF HX	4,968,942	11/6/90	Palanisamy	324	430	
YF HY	5,179,335	1/12/93	Nor	320	21	
YF HZ	5,266,880	11/30/93	Newland	320	14	
YF IA	5,451,881	9/19/95	Finger	324	433	
YF IB	5,705,929	1/6/98	Caravello et al.	324	430	
YF IC	5,717,937	2/10/98	Fritz	395	750.01	
YF ID	5,862,515	1/19/99	Kobayashi et al.	702	63	
YF IE	5,895,440	4/20/99	Proctor et al.	702	63	
YF IF	5,929,609	7/27/99	Joy et al.	322	25	
YF IG	6,072,300	6/6/00	Tsuji	320	116	
YF IH	4,659,977	4/21/87	Kissel et al.	320	64	
YF II	4,913,116	4/3/90	Katogi et al.	123	425	
YF IJ	5,160,881	11/3/92	Schramm et al.	322	7	
YF IK	5,338,515	8/16/94	Dalla Betta et al.	422	95	
YF IL	5,537,967	7/23/96	Tashiro et al.	123	792.1	
YF IM	5,548,273	8/20/96	Nicol et al.	340	439	
YF IN	5,747,909	5/5/98	Syverson et al.	310	156	

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Sub Class	Translation Yes No
YF	IO	62-180284	8/7/87	Japan			Abstract
YF	IP	7-128414	5/19/95	Japan			Abstract

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

IQ	
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U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
YF	IR	6,114,834	9/5/00	Parise	320	109
YF	IS	6,150,793	11/21/00	Lesesky et al.	320	104
YF	IT	3,876,931	4/8/75	Godshalk	324	29.5
YF	IU	5,347,163	9/13/94	Yoshimura	307	66
YF	IV	5,939,861	8/17/99	Joko et al.		
YF	IW	5,339,018	8/16/94	Brokaw	320	35
YF	IX	5,412,323	5/2/95	Kato et al.	324	429
YF	IY	5,426,416	6/20/95	Jefferies et al.	340	664
YF	IZ	5,825,174	10/20/98	Parker	324	106
YF	JA	5,939,855	8/17/99	Proctor et al.	320	104
YF	JB	5,254,952	10/19/93	Salley et al.	324	429
YF	JC	4,217,645	8/12/80	Barry et al.	364	483
YF	JD	4,633,418	12/30/86	Bishop	364	554
YF	JE	5,321,626	6/14/94	Palladino	364	483
YF	JF	5,969,625	10/19/99	Russo	340	636
YF	JG	6,222,369	4/24/01	Champlin	324	430
YF	JH	6,225,808	5/1/01	Varghese et al.	324	426
YF	JI	6,249,124	6/19/01	Bertness	324	426
YF	JJ	6,259,254	7/10/01	Klang	324	427
YF	JK	6,262,563	7/17/01	Champlin	320	134
YF	JL	6,294,896	9/25/01	Champlin	320	134
YF	JM	6,294,897	9/25/01	Champlin	320	153

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Sub Class	Translation Yes No
YF	JN	4-8636	1/13/92	Japan			X (Abstract)
YF	JO	6302776	2/5/88	Japan			Abstract Only

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U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
YF	JP	4,379,989	4/12/83	Kurz et al.	320	26
YF	JQ	4,680,528	7/14/87	Mikami et al.	320	32
YF	JR	5,633,985	5/27/97	Severson et al.	395	2.76
YF	JS	5,739,667	4/14/98	Matsuda et al.	320	5
YF	JT	4,024,953	5/1977	Nailor, III	206	344
YF	JU	6,250,973	6/2001	Lowery et al.	439	763
YF	JV	6,254,438	7/2001	Gaunt	439	755
YF	JW	6,304,087	10/16/01	Bertness	324	426
YF	JX	6,310,481	10/30/01	Bertess	324	430
YF	JY	6,313,607	11/6/01	Champlin	320	132
YF	JZ	6,313,608	11/6/01	Varghese et al.	32	132
YF	KA	6,316,914	11/13/01	Bertness	320	134
YF	KB	5,435,185	7/25/95	Eagan	73	587
YF	KC	5,445,026	8/29/95	Eagan	73	591
YF	KD	4,667,143	5/19/87	Cooper et al.	320	22
YF	KE	4,847,547	7/11/89	Eng, Jr. et al.	320	35
YF	KF	5,574,355	11/12/96	McShane et al.	320	39
YF	KG	4,663,580	5/5/87	Wortman	320	35

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Sub Class	Translation Yes No
YF	KH	WO 99/23738	5/14/99	WIPO			X
YF	KI	WO 94/05069	3/3/94	PCT			X

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

YF	KJ	National Semiconductor Corporation, "High Q Notch Filter", 3/69, Linear Brief 5, March 1969.
YF	KK	Burr-Brown Corporation, "Design A 60 Hz Notch Filter with the UAF42", 1/94, AB-071, 1994.
YF	KL	National Semiconductor Corporation, "LMF90-4 th -Order Elliptic Notch Filter", 12/94, RRD-B30M115, December 1994.

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U.S. PATENT DOCUMENTS

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YF	KM	6,323,650	11/27/01	Bertness et al.	324 . 426	
YF	KN	6,329,793	12/11/01	Bertness et al.	320 132	
YF	KO	6,331,762	12/18/01	Bertness	320 134	
YF	KP	6,332,113	12/18/01	Bertness	702 63	
YF	KQ	4,297,639	10/27/81	Branham	324 429	
YF	KR	5,653,659	8/5/97	Kunibe et al.	477 111	
YF	KS	6,161,640	12/19/00	Yamaguchi	180 65.8	
YF	KT	4,351,405	6/28/82	Fields et al.	180 65	
YF	KU	6,359,441	3/16/02	Bertness	324 426	
YF	KV	4,047,091	9/1997	Hutchines et al.	363 59	
YF	KW	5,653,659	8/1997	Kunibe et al.	477 111	
YF	KX	5,637,978	6/1997	Kellett et al.	320 2	
YF	KY	5,095,223	3/1992	Thomas	307 110	
YF	KZ	5,194,799	3/1993	Tomantschger	320 2	
YF	LA	5,754,417	5/1998	Nicollini	363 60	
YF	LB					

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Sub Class	Translation Yes No
YF	LC						
YF	LD						

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

YF	LE	"Alligator Clips with Wire Penetrators" J.S. Popper, Inc. product information, downloaded from http://www.jspopper.com/ , undated
YF	LF	"#12: LM78S40 Simple Switcher DC to DC Converter", ITM e-Catalog, downloaded from http://www.pcbcafe.com , undated
YF	LG	"Simple DC-DC Converts Allows Use of Single Battery", Electronix Express, downloaded from http://www.elexp.com/t_dc-dc.htm , undated

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Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
YF LH	5,818,234	10/1998	McKinnon	324	433	
YF LI	6,140,797	10/2000	Dunn	320	105	
YF LJ	6,181,545	1/2001	Amatucci et al.	361	502	
YF LK	6,346,795	2/2002	Haraguchi et al.	320	136	
YF LM	6,347,958	2/2002	Tsai	439	488	
YF LN	6,351,102	2/26/02	Troy	320	139	
YF LO	6,359,441	3/19/02	Bertness	324	426	
YF LP	6,363,303	3/26/02	Bertness	701	29	
YF LQ	5,037,778	8/6/91	Stark et al.	437	216	
YF LR	6,144,185	11/7/00	Dougherty et al.	320	132	
YF LS	5,711,648	1/27/98	Hammerslag	414	786	
YF LT	5,927,938	7/27/99	Hammerslag	414	809	
YF LU	5,951,229	9/14/99	Hammerslag	414	398	
YF LV	5,961,561	10/5/99	Wakefield, II	701	29	
YF LW	5,961,604	10/5/99	Anderson et al.	709	229	
YF LX	6,236,332	5/22/01	Conkright et al.	340	825.06	
YF LY	6,351,102	2/26/02	Troy	320	139	
YF LZ	5,821,757	10/13/98	Alvarez et al.	324	434	
YF MA	6,167,349	12/26/00	Alvarez	702	63	

FOREIGN PATENT DOCUMENTS

	Document No.	Date	Country	Class	Sub Class	Translation Yes No
MB						

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

YF	MC	"DC-DC Converter Basics", Power Designers, downloaded from http://www.powederdesigners.com/InforWeb.design_center/articles/DC-DC/converter.shtm , undated
	MD	

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Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
YF ME	4,665,370	5/1987	Holland	324	429	
YF MF	4,361,809	11/1982	Bil et al.	324	426	
YF MG	6,392,414	5/21/02	Bertness	324	429	
YF MH	6,417,669	7/9/02	Champlin	324	426	
YF MI	6,424,158	7/23/02	Klang	324	433	
YF MJ	6,441,585	8/17/02	Bertness	320	132	
YF MK	6,445,158	9/3/02	Bertness et al.	320	104	
YF ML	6,384,608	5/7/02	Namaky	324	425	
YF MM	6,388,448	5/14/02	Cervas	324	426	
YF MN	6,307,349	10/23/01	Koenck et al.	320	112	
YF MO	6,411,098	6/25/02	Laletin	324	436	
YF MP	6,456,045	9/24/02	Troy et al.	320	139	
YF MQ	6,466,025	10/15/02	Klang	324	429	
YF MR	6,466,026	10/15/02	Champlin	324	430	
YF MS	4,564,798	1/14/86	Young	320	6	
YF MT	5,563,496	10/8/96	McClure	320	48	
YF MU	5,796,239	8/18/98	van Phuoc et al.	320	107	

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Sub Class	Translation Yes No
YF	MV	RU 2089015-C1	8/27/97	Russia			Abstract Only
YF	MW	09061505	3/7/97	Japan			Abstract Only
YF	MX	10056744	2/24/98	Japan			Abstract Only

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

YF	MY	"Notification of Transmittal of The International Search Report or the Declaration", PCT/US02/29461.
YF	MZ	"Notification of Transmittal of The International Search Report or the Declaration", PCT/US03/07546.

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Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
YF	NA	4,888,716	12/19/89	Ueno	364	550
YF	NB	6,495,990 B2	12/17/02	Champlin	320	132
YF	NC	4,385,269	5/24/83	Aspinwall et al.	320	14
YF	ND	4,686,442	8/11/87	Radomski	320	17
YF	NE	6,061,638	5/9/00	Joyce	702	63
YF	NF	6,359,442	3/19/02	Henningson et al.	324	426
YF	NG	5,541,489	7/30/96	Dunstan	320	2
YF	NH	6,424,157	7/23/02	Gollomp et al.	324	430
YF	NI	6,534,993	3/18/03	Bertness	324	433
YF	NJ	6,544,078	4/8/03	Palmisano et al.	439	762
YF	NK	6,556,019	4/29/03	Bertness	324	426
YF	NL	6,566,883	5/20/03	Vonderhaar et al.	324	426
YF	NM	6,586,941	7/1/03	Bertness et al.	324	426
YF	NN	6,597,150	7/22/03	Bertness et al.	320	104
YF	NO	2002/0171428	11/21/02	Bertness	324	426
YF	NP	6,263,268	7/17/01	Nathanson	701	29

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Sub Class	Translation Yes No
YF	NQ	WO 00/67359	11/9/00	WIPO			X
YF	NR	WO 01/51947	7/19/01	WIPO			X
YF	NS	WO 98/04910	2/5/98	WIPO			X
YF	NT	WO 00/62049	10/19/00	WIPO			X
	NU						
	NV						

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

NW	"Notification of Transmittal of The International Search Report or the Declaration", PCT/US03/06577.
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YF	OA	5,410,754	4/1995	Klotzbach et al.	370	85.13	
YF	OB	5,654,623	8/1997	Shiga et al.	320	48	
YF	OC	6,055,468	4/2000	Kaman et al.	701	29	
YF	OD	2003/0025481	2/2003	Bertness	320	155	
YF	OE	5,313,152	5/1994	Wozniak et al.	320	118	
YF	OF	2003/0184306	10/2003	Bertness et al.	324	426	
YF	OG	2004/0000891	1/2004	Raichle et al.	320	107	
YF	OH	3,750,011	7/1973	Kreps	324	29.5	
YF	OI	5,159,272	10/1992	Rao et al.	324	429	
YF	OJ	5,325,041	6/1994	Briggs	320	44	
YF	OK	6,526,361	2/2003	Jones et al.	702	63	
YF	OL	6,667,624	12/2003	Raichle et al.	324	522	
YF	OM	2002/0010558	1/24/02	Bertness et al.	702	63	
YF	ON	2002/0176010	11/28/02	Wallach et al.	348	229.1	
YF	OO	3,652,341	3/28/1972	Halsall et al.	136	176	
YF	OP	5,747,967	5/5/1998	Muljadi et al.	320	39	

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Sub Class	Translation Yes No
YF	OQ	JP 11103503 A	4/1999	Japan			X (Abstract)
YF	OR	WO 01/59443	2/9/01	WIPO			X
YF	OS	GB 2 246 916 A	10/8/90	Great Britian			
	OT						
	OU						
	OV						

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

YF	OW	"Notification of Transmittal of The International Search Report or the Declaration", PCT/US03/07837.
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YF	OA	6,628,011	9/30/03	Droppo et al.	307	43
YF	OB	5,780,980	7/14/98	Naito	318	139
YF	OC	5,412,308	5/2/95	Brown	323	267
YF	OD	6,222,342	4/24/01	Eggert et al.	320	105
YF	OE	6,679,212	1/20/04	Kelling	123	179.28
YF	OF	5,850,113	12/15/98	Weimer et al.	307	125
YF	OG	6,242,887	6/5/01	Burke	320	104
YF	OH	6,238,253	5/29/01	Qualls	439	759
YF	OI	4,056,764	11/1/77	Endo et al.	320	3
YF	OJ	6,005,759	12/21/99	Hart et al.	361	66
YF	OK	6,064,372	5/16/00	Kahkoska	345	173
YF	OL	5,323,337	6/21/94	Wilson et al.	364	574
YF	OM	5,978,805	11/2/99	Carson	707	10
YF	ON	6,600,815	7/29/03	Walding	379	93.07
YF	OO	4,933,845	6/12/90	Hayes	364	200
YF	OP	6,618,644	9/9/03	Bean	700	231

FOREIGN PATENT DOCUMENTS

	Document No.	Date	Country	Class	Sub Class	Translation Yes No
	OQ					
	OR					
	OS					
	OT					
	OU					
	OV					

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
YF	OA	5,982,138	11/9/99	Krieger	320	105
YF	OB	4,620,767	11/4/86	Woolf	339	255
YF	OC	4,934,957	6/19/90	Bellusci	439	504
YF	OD	5,772,468	6/30/98	Kowalski et al.	439	506
YF	OE	5,108,320	4/28/92	Kimber	439	883
YF	OF	5,453,027	9/26/95	Buell et al.	439	433
YF	OG	5,865,638	2/2/99	Trafton	439	288
YF	OH	3,796,124	3/12/74	Crosa	85	36
YF	OI	4,280,457	7/28/81	Bloxham	123	198
YF	OJ	4,160,916	7/10/79	Papasideris	307	10
YF	OK	6,356,042	3/12/02	Kahlon et al.	318	138
YF	OL	6,259,170	7/10/01	Limoge et al.	307	10.8
YF	OM	6,081,109	6/27/00	Seymour et al.	324	127
YF	ON	6,031,368	2/29/00	Klippel et al.	324	133
YF	OO	6,211,651	4/3/01	Nemoto	320	133
YF	OP	6,046,514	4/4/00	Rouillard et al.	307	77

FOREIGN PATENT DOCUMENTS

	Document No.	Date	Country	Class	Sub Class	Translation Yes No
	OQ					
	OR					
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	OT					
	OU					
	OV					

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

YF	OW	"Notification of Transmittal of The International Search Report or the Declaration", PCT/US03/41561.
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EXAMINER: /Yalkew Fantu/

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FORM PTO-1449		Atty. Docket No.: C382.12-0180	Serial No.: 10/804,402
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT		Applicant:	
		Clark E. Smith et al.	
		Filing Date	Group Art:
		March 18, 2004	

U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
YF	OA	6,531,848	3/11/03	Chitsazan et al.	320	153
YF	OB	4,023,882	5/17/77	Pettersson	339	96
YF	OC	2,000,665	5/7/35	L.P. Neal	173	324
YF	OD	6,158,000	12/5/00	Collins	713	1
YF	OE	5,745,044	4/28/98	Hyatt, Jr. et al.	340	825.31
YF	OF	5,578,915	11/26/96	Crouch, Jr. et al.	320	48
YF	OG	5,592,094	1/7/97	Ichikawa	324	427
YF	OH	6,275,008	8/14/01	Arai et al.	320	132
YF	OI	5,872,453	2/15/99	Shimoyama et al.	324	431
YF	OJ	5,321,627	6/14/94	Reher	364	483
YF	OK	4,949,046	8/14/90	Seyfang	324	427
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YF	OW	"Notification of Transmittal of The International Search Report or the Declaration", PCT/US03/27696.
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